

Dear users, the configuration for this camera is professional, so please read the user manual carefully before using the camera.

IP CAMERA

(H series)

User manual

2012.11 V1.9



Statement

If the user manual can not help you to solve the problem, please call our technology center about the solutions. We will update the content for the new functions without notice.

Notice

1、Installation Environment

-  Keep away from the places for high-temperature, heat source and direct sunlight;
-  Keep away from water and when get wet, cut off the power immediately.
-  Avoid to use in damp environment, the reference range for operation humidity is below 85%RH
-  Avoid to use in overheating and too cold environment, the reference range for operation temperature is -10℃~+50℃.
-  Please install horizontally or wall mounting, avoid to strenuous vibration and not put other equipments onto the item.

2、Transport and Handling

-  The package is well-designed to ensure the security during the delivery, so please do not change the package at random.
-  Do not move the ip cameras from overheated to supercooled condition frequently, otherwise it will frost and shorten the service life.
-  Do not move the item when is power on, otherwise the main board might be damaged.



Notice:

1. Please check the power supply before it is working
2. Be careful not to bang the camera or subject it to strong impacts or shocks..
3. Do not directly touch the optical components for the image sensor, if necessary, please place a clean and moistened cloth with alcohol and wipe the dirt gently; When not in use, please place the dust cover on to the item to protect the image sensor.
4. Do not aim the camera directly into the sun or at other intense light sources that could affect the image quality (it is not the problem for the ip camera), also shorten the service life for the image sensor.
5. Keep away from laser when it is working, otherwise the image sensor can be damage.
6. If the equipment is not working properly, please contact the store or the service center, do not disassemble or modify the equipment in any way. (Problems caused by unauthorized modification or repair should be at your own risk.)

Index

1. PRODUCT INTRODUCTION.....	5
1.1. PRODUCT SUMMARY	5
1.2. PACKAGE FOR TYPICAL PRODUCTION	5
2. INSTALLATION GUIDE.....	6
2.1. OPERATION STEP FOR CONNECTING TO LAN.....	6
2.2. STEP FOR WIFI CONNECTING	8
2.3. OPERATION STEP FOR CONNECTING TO WAN	9
3. OPERATION OF USING IE BROWSER	11
3.1. VIEW VIDEO	11
3.2. VIDEO SETTING.....	12
3.2.1. Video parameters.....	12
3.2.2. Audio parameters	13
3.2.3. Image parameters	13
3.3. WEB SETTING.....	14
3.3.1. Basic web setting	14
3.3.2. WiFi setting.....	14
3.3.3. WAN access setting	14
3.4. ALARM SETTING	15
3.4.1. External Alarm Input.....	15
3.4.2. Motion Detection Setting	15
3.4.3. Alarm mode setting.....	15
3.4.4. Alarm time setting.....	16
3.5. ADVANCE SETTING.....	17
3.5.1. User management.....	17
3.5.2. Auto Capture Setting.....	17
3.5.3. E-mail Setting	18
3.5.4. FTP setting	18
3.5.5. Alarm server Setting	19
3.5.6. PTZ Protocol	19
3.6. SYSTEM SETTING	20
3.6.1. Device information	20
3.6.2. Date and time setting.....	20
3.6.3. Initialize setting	21
3.6.4. System Log.....	21
3.6.5. Access Log	21
4. OPERATION OF USING OTHER SOFTWARE.....	22
4.1. OTHER WEB BROWSER	22
4.2. MOBILE PHONE SOFTWARE.....	22
4.3. PC CLIENT SOFTWARE	23
4.4. OTHER SOFTWARE.....	23

5. PRODUCT FAMILY FOR NCH SERIES	24
5.1. NCH530W INDOOR VGA PTZ CAMERA	24
5.2. INDOOR HD PTZ CAMERA	24
5.3. HD WATERPROOF CAMERA.....	25
5.4. NCH531MW HD Box CAMERA	26

1. Product introduction

1.1. Product summary

Thank you for choosing our company's H series IP camera, which has several models, including indoor VGA PTZ camera, indoor HD PTZ camera, HD waterproof camera etc. It is very suitable for family, shops, office building and so on.

Main features for H series:

- ◆ Support 2 kinds of H.264 video stream and 1 way JPEG video stream simultaneously, suitable for Local, Internet and Cross-platform view;
- ◆ Support two-way intercom function, support G.711 and G.726 audio encoding;
- ◆ Support 802.11b/g/n protocol, build-in wifi module to perform wireless monitoring;
- ◆ Support max. 32G SD/TF card for storing the alarm video and pictures;
- ◆ Built-in web server, use one port to send all the data, it facilitates network setting;
- ◆ Manufacturer puts a label of DDNS at the bottom of each IP Camera. When IP Camera is connected to the internet, this URL can be used to visit the device;
- ◆ Provide free client software, support Multi-view, Long time recording, video replay etc;
- ◆ Provide free software viewed by mobile phone.

1.2. Package for typical production

Accessory Type	Power adaptor	CD	cable	Stand of plastic	Antenna
 NCH530W Indoor VGA PTZ camera	5V	√	√	√	√
 NCH536MW Indoor HD PTZ camera	5V	√	√	√	√

 NCH537MW Indoor HD PTZ camera	5V	√	√	√	√
 NCH532MJW HD waterproof camera (simple model)	12V	√	√	√	√
 NCH532MW HD waterproof camera (full function model)	12V	√	√	√	√
 NCH531MW HD box camera	12V	√	√	√	√

Notice:

- ◆ If you choose IP camera with wireless function, so it includes wifi module inside the camera and antenna in package.
- ◆ Please check carefully if all listed items are included in the package, if anything missing, please contact vendor in time.

2. Installation guide

2.1. Operation step for connecting to LAN

- ✚ Power on the IP camera (please check carefully the voltage of power adaptor, don't insert incorrect power, otherwise it will damage the device), connect IP camera to router by network cable, meanwhile, connect computer to the same router, example of figure 1.



Figure 1

- Insert CD to computer driver, double click "HSearch_en.exe" in the CD, will pop up the interface as figure 2, please operate as the following steps:

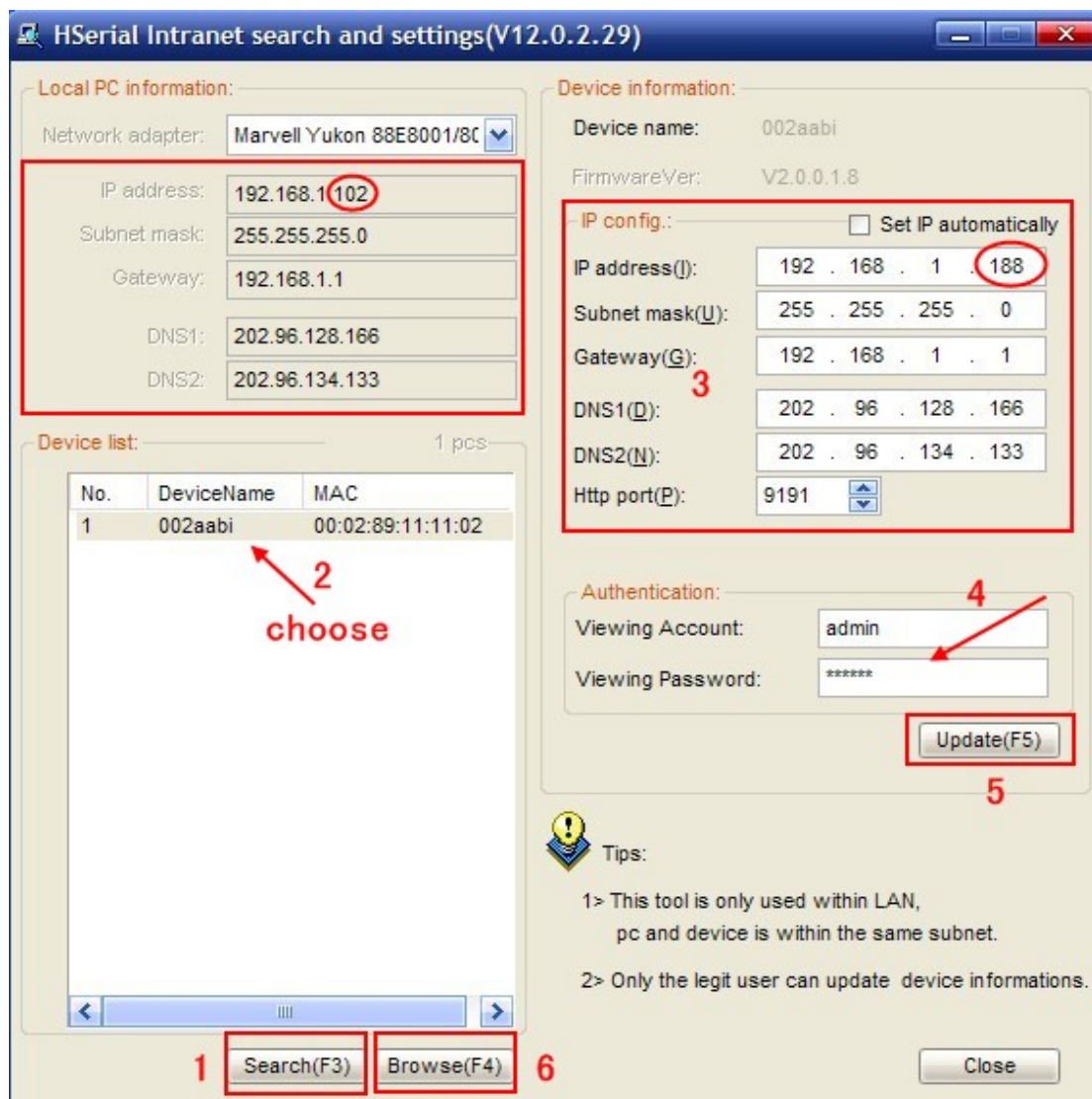


Figure 2

- 1) Click 'Search' (Please make sure your firewall will not block up the item to be searched)
- 2) Choose a camera;
- 3) Change the ip address of the ip camera according to the information in the red frame on the left. The numbers in the red circle should not be the same. Http port should be a number between 80~65535;
- 4) Enter user name and password for the device, the default is "admin" and "123456";
- 5) Click 'update';
- 6) After successfully update, click "Search (F3)", choose the device again and click "Browse"

(F4)". Then you can run the web browser , enter user name and password and login IP camera to view the video, example of figure 3. ([please use IE browser at first time](#))

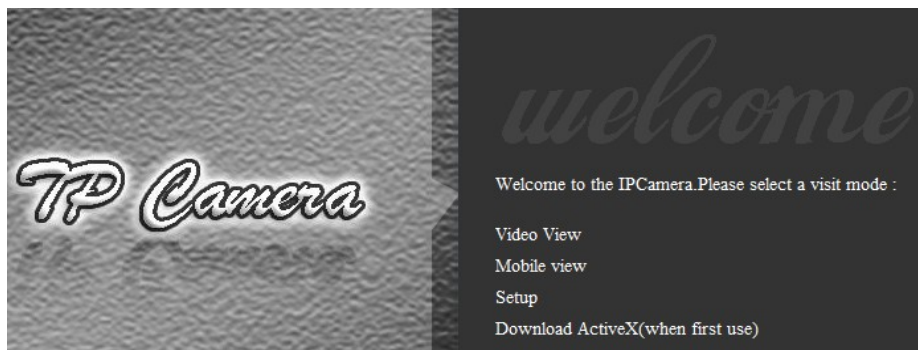


Figure 3

Notice: Need to download ActiveX when first use, click "download ActiveX(when first use)" in figure 3, will display prompt as figure 4, click 'run' will download and install the ActiveX automatically.

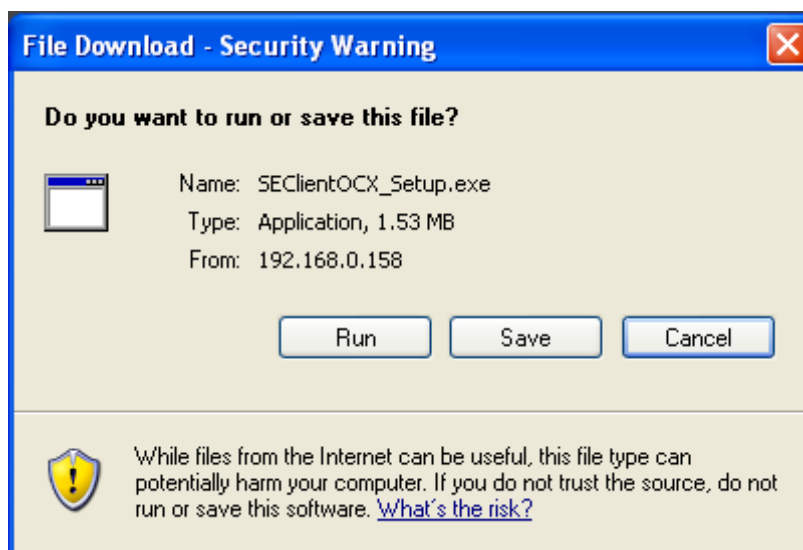


Figure 4

Tips: You can hold on reset button on the camera for 5 seconds to restore factory default if you forget user name and password, or not sure the device parameters.

2.2. Step for WIFI connecting

After finishing the wired connection as chapter 2.1, you can connect the camera by wireless.

Login camera in wired connection and enter wifi setting, and then operate as the following step, example of figure 5.

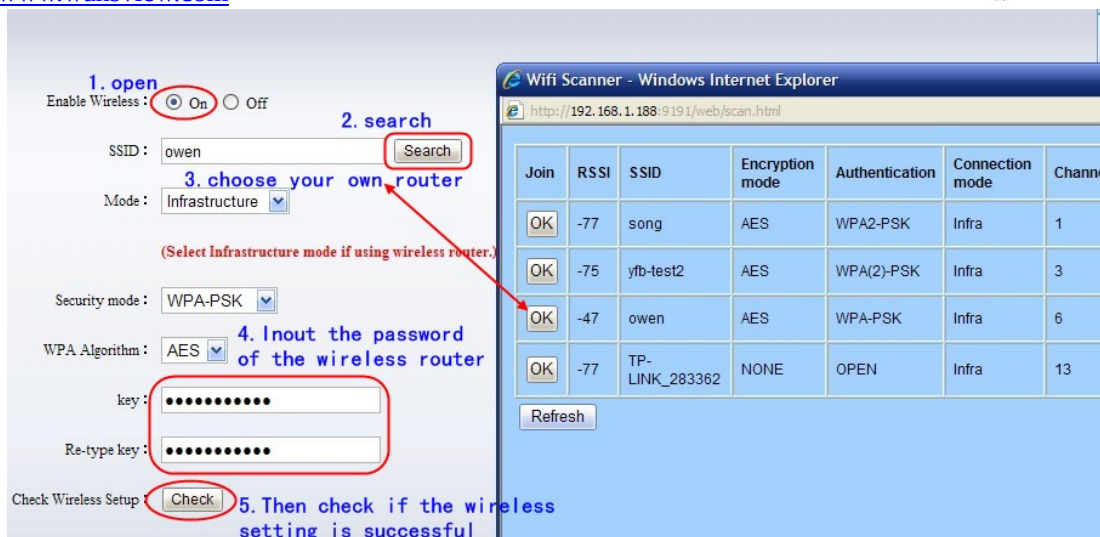


Figure 5

Select 'On' and click 'Search', and then select wireless router in pop up menu, click 'OK' and enter its password, click 'apply' to save the wireless settings. And you can click 'check' to check if the wireless setting is successful. After setting successfully, please pull out network cable and restart the camera to use the wireless function.

2.3. Operation step for connecting to WAN

You should connect it to LAN network and do port forwarding at first, connect as figure 6.

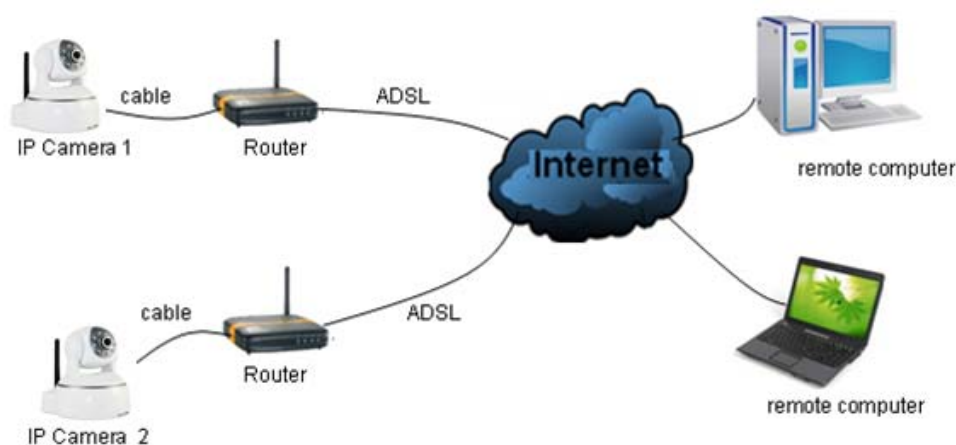


Figure 6

For example: operation step of port forwarding as figure 7.



Figure 7

- 1) Please go to the setting interface of Router, and choose "Port Forwarding";
- 2) Choose "Add custom Service" ;
- 3) Input IP camera http port;
- 4) Input LAN IP Address of the camera, click "Apply" (port number and IP address as you set in figure 2)

After finishing the port forwarding, you can use WAN IP address of router and http port of camera to visit the camera by remote computer as figure 6.

Notice: because the routers are different, so the interface and setting method of router are also different, how to do the port forwarding for various routers, please refer to the user manual of your router or consult with router manufacturer.

3. Operation of using IE browser

3.1. View video



Figure 8

1) Status bar



Figure 9

- ① Display connection status;
- ② Display record status: if click "Record", it will show "REC" which stands for recording; click record button again, it will stop;
- ③ Zoom out, zoom in and restore digital zoom;
- ④ Set the file saving location: you may set the location for recording and captured picture;
- ⑤ Talk-back button: it can transmit the sound which collected by the computer to the equipment. And played out by the speaker which was connected to the equipment. Click it again, it will stop playing;
- ⑥ Audio play button: it can play out the sound which collected by the equipment on the computer, click it again, it will stop playing.

2) Choose video stream

You can choose 1st stream or 2nd stream to view the video. Recommend to view by 1st stream in LAN and by 2nd stream in WAN.

3) PTZ control

<http://www.wansview.com>

If the camera supports PTZ function, you can click up, down, left, right arrow to control the camera moving, click button to center and stop the camera.



when you set camera to a position, and then click 'SET', after the camera was changed the direction, click 'CALL' can move the camera to the position you have set.

Notice: Because H series have many models, the waterproof models need to be connected with external PTZ, and need to set PTZ parameters (please refer to chapter 3.5.6) to activate PTZ function.

4) Snap /Record / SD card/Playback

- ◆ Click "Snap" button, to save the picture to the specified file.
- ◆ Click "Record" button to start record. Click again to stop record.
- ◆ Click "SD card" can browse the files in the SD card (If the SD card already inside the camera), you can select file to download it;
- ◆ Click "Playback" button, it will show a player which can play the record video. For these buttons means: play; stop; choose the last video file; choose the next video file; open the file.

3.2. Video setting

3.2.1. Video parameters

The screenshot shows a web-based configuration interface for video parameters. It is divided into several sections:

- Power line frequency:** Set to 50Hz. A red arrow points to this section with the text: "If pictures have ripple, can adjust to eliminate ripple here".
- First Stream:**
 - Resolution: VGA. A red arrow points to this with the text: "Adjust frame size, and VGA is the largest".
 - Bit rate: 1024 kbps. A red arrow points to this with the text: "The bigger the streaming picture is fluent, take up the higher bandwidth".
 - Frame rate: 25 fps. A red arrow points to this with the text: "The higher the frame rate, the more smooth image".
 - A note below: "Motion detection will be closed automatically when the resolution of first stream is QQVGA."
- Second Stream:**
 - Resolution: QVGA
 - Bit rate: 90 kbps
 - Frame rate: 10 fps
- JPEG Stream:**
 - Resolution: QVGA
- Parenthesis Options:**
 - Time Stamp: ☒ On ☐ Off. A red arrow points to this with the text: "They will be displayed at monitoring image when selected 'on'".
 - Camera name: ☒ On ☐ Off
 - Name: IP Camera. A note below says: "(Don't input special characters like: ~!@#\$%^&*()_+=?/:)".

Figure 10

The video parameters may have some difference for H series camera, for example:

- ◆ For CMOS camera, the user needs to choose "power line frequency" option;
- ◆ For CMOS camera, the most resolution of VGA camera is VGA, the most resolution of HD camera is 720P.

JPEG stream is suitable for visiting by non windows platform, for example, click 'mobile view' in first page, it will transmit JPEG stream actually.

3.2.2. Audio parameters

The screenshot shows the 'Audio parameters' configuration window. It is divided into three sections: 'mode', 'First Stream', and 'Second Stream'.
- In the 'mode' section, 'Audio input' is set to 'MIC'. A red arrow points to this dropdown with the text: 'When using the built-in or external microphone pls choose microphone input'.
- In the 'First Stream' section, 'Audio Capture' is set to 'On'. A red arrow points to this radio button with the text: 'When connecting External pick-up pls choose linear input'.
- In the 'First Stream' section, 'Audio Type' is set to 'G.726'. A red arrow points to this dropdown with the text: 'G.711 sound quality is good but takes up more bandwidth'.
- In the 'Second Stream' section, 'Audio Capture' is set to 'On'.
- In the 'Second Stream' section, 'Audio Type' is set to 'G.726'. A red arrow points to this dropdown with the text: 'G.726 sound quality is worse but takes up less bandwidth'.

Figure 11

Audio input can select MIC or line in. The camera supports G.711 and G.726 audio encoding format. The sound of the G.711 is better, but it occupies more bandwidth. If you click “On” of the audio capture, so it will transmit audio in corresponding video stream. You must open the audio here, otherwise you can’t hear the audio when clicking audio play button in figure 9.

3.2.3. Image parameters

The screenshot shows the 'Image parameters' configuration window. It contains sliders for 'Brightness' (value 16), 'Saturation' (value 94), 'Contrast' (value 37), and 'Hue' (value 132). Below the sliders are two checked checkboxes: 'Flip' and 'Mirror'. A red arrow points to these checkboxes with the text: 'can flip and mirror the picture'. Below the checkboxes is a dropdown menu for 'IR LED Control' set to 'Auto'. A red arrow points to this dropdown with the text: 'Select manual or auto to light the IR LED'. At the bottom is another dropdown menu for 'White balance mode' set to 'Auto'. A red arrow points to this dropdown with the text: 'Set the white balance'. At the very bottom are three buttons: 'Apply', 'Default', and 'Cancel'.

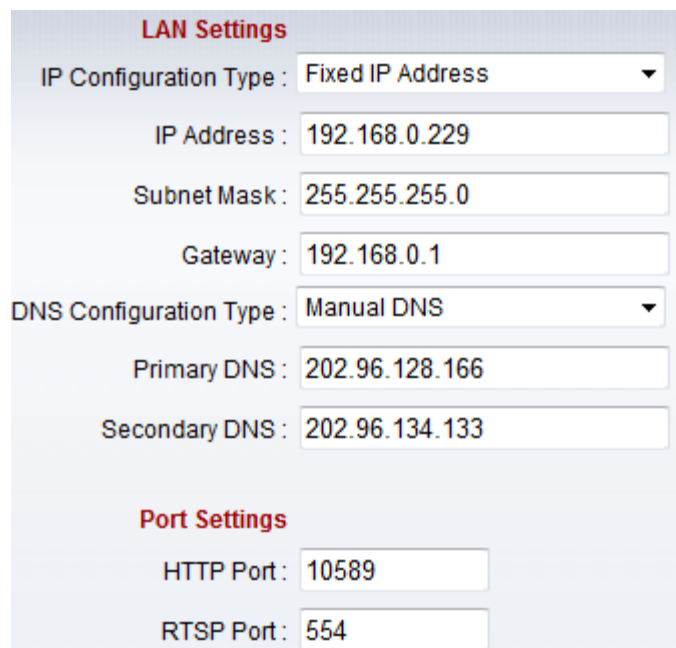
Figure 12

The image parameters may have some difference for H series cameras, for example:

- ◆ Only camera with CMOS sensor features “flip, mirror”;
- ◆ Only indoor PTZ cameras feature IR LED control;
- ◆ In this page, some cameras have “night vision mode” button, select night vision mode can add night vision brightness;

3.3. Web setting

3.3.1. Basic web setting



The screenshot shows the 'LAN Settings' and 'Port Settings' sections of the WANVIEW web interface. The 'LAN Settings' section includes a dropdown for 'IP Configuration Type' set to 'Fixed IP Address', and text input fields for 'IP Address' (192.168.0.229), 'Subnet Mask' (255.255.255.0), and 'Gateway' (192.168.0.1). The 'DNS Configuration Type' is set to 'Manual DNS', with 'Primary DNS' (202.96.128.166) and 'Secondary DNS' (202.96.134.133) fields. The 'Port Settings' section has 'HTTP Port' (10589) and 'RTSP Port' (554) fields.

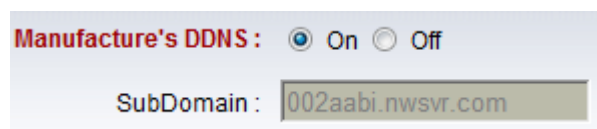
Figure 13

3.3.2. WiFi setting

Please refer to chapter 2.2.

3.3.3. WAN access setting

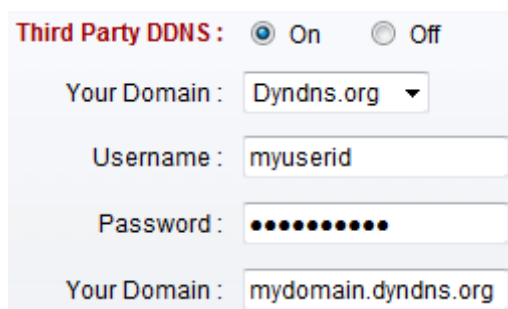
In chapter 2.3, you have known how to do port forwarding. After doing port forwarding successfully, you can also visit camera by DDNS. The manufacturer has established a DDNS system, and allotted a DDNS to every device, the user can view it from remote PC, example of figure 14.



The screenshot shows the 'Manufacturer's DDNS' settings. It has a toggle switch set to 'On' and a 'SubDomain' field containing '002aabi.nwsvr.com'.

Figure 14

User can also use third party DDNS, such as www.dyndns.com. User must apply a free domain name from this website and fill the info into the below blanks (Figure 15) and save the settings. Then the domain name can be used.



The screenshot shows the 'Third Party DDNS' settings. It has a toggle switch set to 'On', a 'Your Domain' dropdown set to 'Dyndns.org', a 'Username' field with 'myuserid', a 'Password' field with masked characters, and a 'Your Domain' field with 'mydomain.dyndns.org'.

Figure 15

Notice: Using the third party domain name, if the http port is not 80, the port number should be adding

<http://www.wansview.com>

to the domain name with colon. Example: <http://mydomain.dyndns.org:81>.

3.4. Alarm setting

3.4.1. External Alarm Input

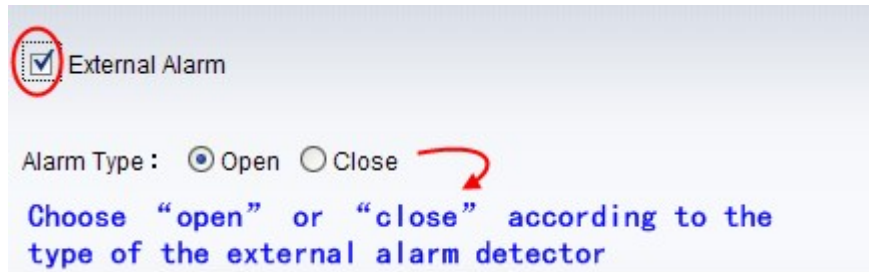


Figure 16

The camera should have external alarm input port for enable this functions. Connect external alarm detector to the input port, the detector will output switching signal when it detects any abnormal, input port of the camera will detect the level change, so it will detect the alarm, therefore the detector should be switching sensor (same as switch)

3.4.2. Motion Detection Setting

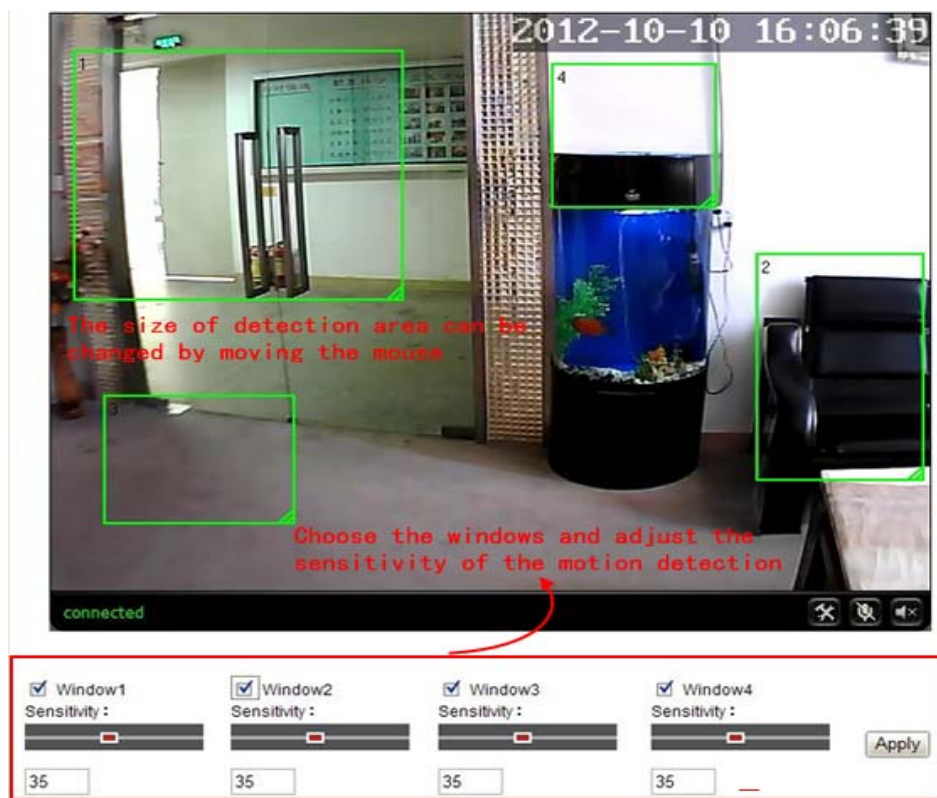


Figure 17

Please click “apply” after settings are done, and motion detection takes effect. The higher value, the higher sensitivity. The camera will trigger corresponding alarm when the detection area occur any change.

3.4.3. Alarm mode setting

After camera triggers the alarm, it will store the capture pictures and videos according to your setting

<http://www.wansview.com>

ways, for example, store in SD/TF, or upload to FTP, or email you, etc. example of figure 18.

After trigger alarm, the device choose various storage ways

FTP Setting → Built a FTP server

Alarm Server Setting → Open external alarm time

Email Setting → The customer should build a server to store alarm information when doing the second development

Fill in your own mail address, and the alarm pictures will be sent and stored in your mail box

Choose send alarm pictures

Send with Picture

Figure 18

Note: Please insert the SD/TF Card and tick the "Save Video on the SD card", "Save video on the FTP server" will take effect.

3.4.4. Alarm time setting

Use the week mode Use the work mode All times

day start1~end1 start2~end2 start3~end3

Ticked armed date and set armed time duration

Day	start1~end1	start2~end2	start3~end3
Sun	00:00~00:00	00:00~00:00	00:00~00:00
Mon	00:00~00:00	00:00~00:00	00:00~00:00
Tue	00:00~00:00	00:00~00:00	00:00~00:00
Wed	00:00~00:00	00:00~00:00	00:00~00:00
Thu	00:00~00:00	00:00~00:00	00:00~00:00
Fri	00:00~00:00	00:00~00:00	00:00~00:00
Sat	00:00~00:00	00:00~00:00	00:00~00:00

Figure 19

The device will trigger the alarm only during the scheduled time period, you can select the scheduled time according to your request.

Note: Please make sure your system time is correct before you set the alarm time period. Please refer to chapter 3.6.2 to set system time.

3.5. Advance setting

3.5.1. User management

User Name	Password	Re-type password
admin	••••••	••••••
user	••••	••••
guest	•••••	•••••

Figure 20

There are 3 levels of user authorization in it.

- ◆ Administrator: “admin” has the highest authority. It can do any settings. [Factory default password: 123456.](#)
- ◆ User: user can only operate the device but can’t do any setting changes. [The default password is user.](#)
- ◆ Guest: User can view the video, but can’t operate the device. [The default password is guest.](#)

Note: Please change these 3 level passwords when your first use to ensure your safety.

3.5.2. Auto Capture Setting

Snap interval :	2	Minutes
☒ Save Picture on the SD Card		

Figure 21

Tick “Save Picture on the SD card”, the snap pictures will be stored into SD card during the setting time.

3.5.3. E-mail Setting

SMTP server name : server port ssl ☐

Authentication : ☒ On ☐ Off

User name :

Password :

Send To : (e-Mail Address 1)

(e-Mail Address 2)

(e-Mail Address 3)

Sender : (Return e-Mail address)

Subject :

Message :

(the max length is 255)

Figure 22

In Figure 22, the blanks which have been filled with info should be filled. If any info is not filled right, the setting will fail.

Notice: the password should not use special character; otherwise the camera can't identify it.

3.5.4. FTP setting

Server Address :

Server Port :

User name :

password :

Path :

Passive mode : ☒ On ☐ Off

Figure 23

In order to use FTP function, user should apply user name and password on the FTP server at first. As well as need to apply some storage space and the authority to write and create sub-category into it.

Notice: the password should not use special character; otherwise the camera can't identify it.

3.5.5. Alarm server Setting

Server Address : 192.168.0.200

Server Port : 30002

User name : test

Password : ●●●●

Figure 24

Alarm server need to develop by user; user can extend other functions on this server, like SMS, MMS alarm etc.

If you have built alarm server, and set your alarm server info like Figure 24. The camera will send alarm message to alarm server, the format as follow:

```
GET /api/alarm.asp?  
username= username &  
userpwd=password&  
rea= alarm type (1=Motion Detection, 2 =Alarm from Alarm in port)&  
io=0
```

Notice: the password can't use special character; otherwise the camera can't identify it.

3.5.6. PTZ Protocol

PTZ Protocol

Address : 1

Protocol : PELCO-D ▼

Speed : Normal ▼

RS485 Setting

Baudrate : 9600 ▼

Data bit : 8 ▼

Stop bit : 1 ▼

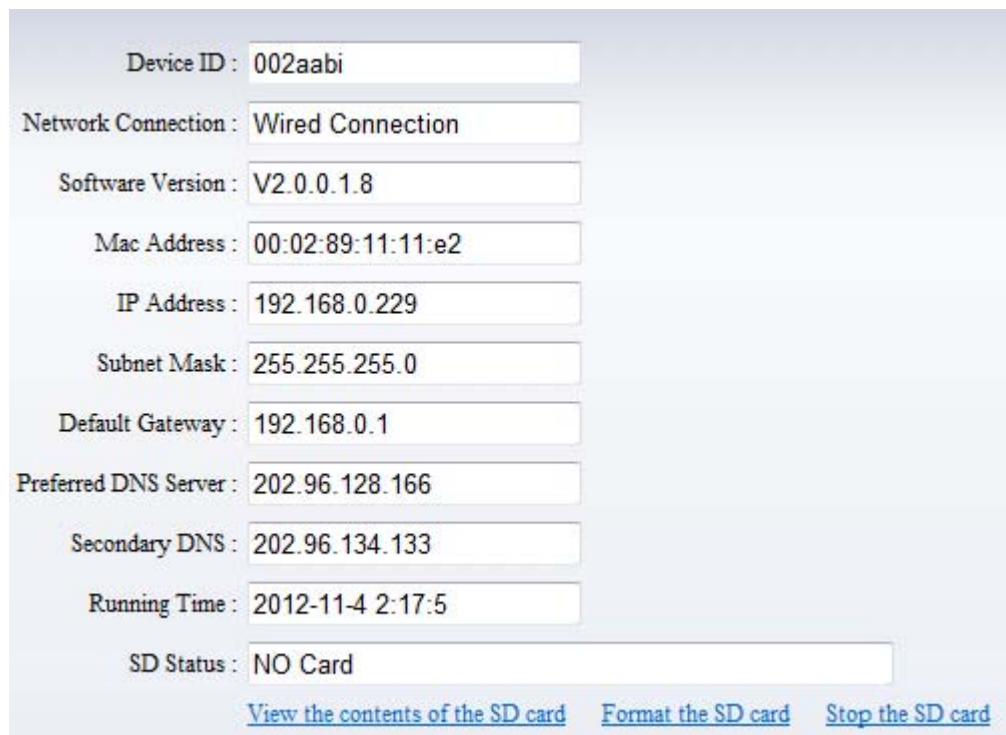
Check type : None ▼

Figure 25

Camera which with 485 port will have PTZ protocol setting function. They can connect to external PTZ. User need to check the camera PTZ protocol before purchase PTZ device, and then setting the PTZ value according to PTZ device user manual.

3.6. System setting

3.6.1. Device information



Device ID :	002aabi
Network Connection :	Wired Connection
Software Version :	V2.0.0.1.8
Mac Address :	00:02:89:11:11:e2
IP Address :	192.168.0.229
Subnet Mask :	255.255.255.0
Default Gateway :	192.168.0.1
Preferred DNS Server :	202.96.128.166
Secondary DNS :	202.96.134.133
Running Time :	2012-11-4 2:17:5
SD Status :	NO Card

[View the contents of the SD card](#) [Format the SD card](#) [Stop the SD card](#)

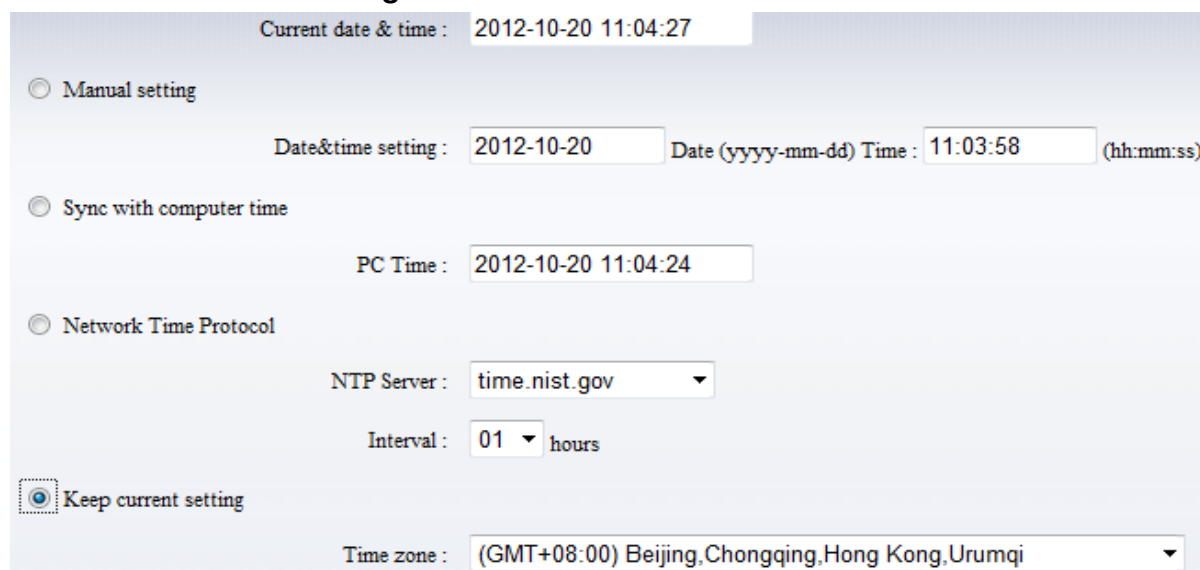
Figure 26

Network Connection status will display “LAN” when connected by wired cable and display “Wireless LAN” connected by WIFI.

SD/TF status will be displayed if SD/TF card inserted and display the free capacity.

Notice: the device supports max 32G SD/TF card. Please format the SD/TF card to FAT32 before use the card on camera. Please check if the SD/TF Card matches the camera or not before purchase the SD/TF Card.

3.6.2. Date and time setting



Current date & time : 2012-10-20 11:04:27

☐ Manual setting

Date&time setting : 2012-10-20 Date (yyyy-mm-dd) Time : 11:03:58 (hh:mm:ss)

☐ Sync with computer time

PC Time : 2012-10-20 11:04:24

☐ Network Time Protocol

NTP Server : time.nist.gov

Interval : 01 hours

☒ Keep current setting

Time zone : (GMT+08:00) Beijing,Chongqing,Hong Kong,Urumqi

Figure 27

<http://www.wansview.com>

Example of figure 27, please select the time zone first. There are three options to set the time and date. They are manual setting, sync with computer time, from network time server.

3.6.3. Initialize setting

Reboot Camera :

Restore Factory Default :

Backup Settings Data :

Restore Settings Data :

Firmware Upgrade :

Figure 28

You can upgrade the firmware here.

3.6.4. System Log

System Log	
Oct 14 12:44:38 vs[460]: [Snap]:SD card is not ready.Snap failed	
Oct 14 12:45:38 vs[460]: [Snap]:SD card is not ready.Snap failed	
Oct 14 12:46:38 vs[460]: [Snap]:SD card is not ready.Snap failed	
Oct 14 12:47:38 vs[460]: [Snap]:SD card is not ready.Snap failed	
Oct 14 12:48:38 vs[460]: [Snap]:SD card is not ready.Snap failed	
Oct 14 12:49:38 vs[460]: [Snap]:SD card is not ready.Snap failed	
Oct 14 12:50:38 vs[460]: [Snap]:SD card is not ready.Snap failed	
Oct 14 12:51:38 vs[460]: [Snap]:SD card is not ready.Snap failed	
Oct 14 12:52:37 vs[460]: [Snap]:SD card is not ready.Snap failed	
Oct 14 12:53:38 vs[460]: [Snap]:SD card is not ready.Snap failed	

Figure 29

3.6.5. Access Log

Access Log	
[	][Sat Oct 13 11:56:40 2012]:[183.15.103.52] GET http streaming
[	][Sat Oct 13 11:58:54 2012]:[192.168.1.51] GET http streaming
[	][Sat Oct 13 11:59:28 2012]:[192.168.1.51] GET http streaming
[	][Sat Oct 13 13:41:45 2012]:[192.168.1.51] GET http streaming
[	][Sat Oct 13 18:23:23 2012]:[27.38.65.79] GET http streaming
[	][Sat Oct 13 18:23:38 2012]:[27.38.65.79] GET http streaming
[	][Sat Oct 13 18:25:54 2012]:[27.38.65.79] GET http streaming
[	][Sun Oct 14 17:12:15 2012]:[27.38.65.186] GET http streaming

Figure 30

4. Operation of using other software

4.1. Other web browser

In the Windows OS, using browser with IE kernel, user must download the ActiveX. Please Download “QuickTime” plug-in and install it before you use Safari, Firefox to access the IP camera. After installation, users can start the QuickTime program, and to access the QuickTime Preferences dialog box from Edit Menu, example for figure 31. Click Advanced, select “custom.” in the Transport Setup. It pops up the Streaming Transport dialog box. Please select “HTTP” for transport protocol and “80” as port ID, click “ok”, and then return to Transport Setup to change “Custom..” to “Auto”. Finally, click “ok” at the bottom. After finishing these settings, run the Firefox or Safari browser to view the video.

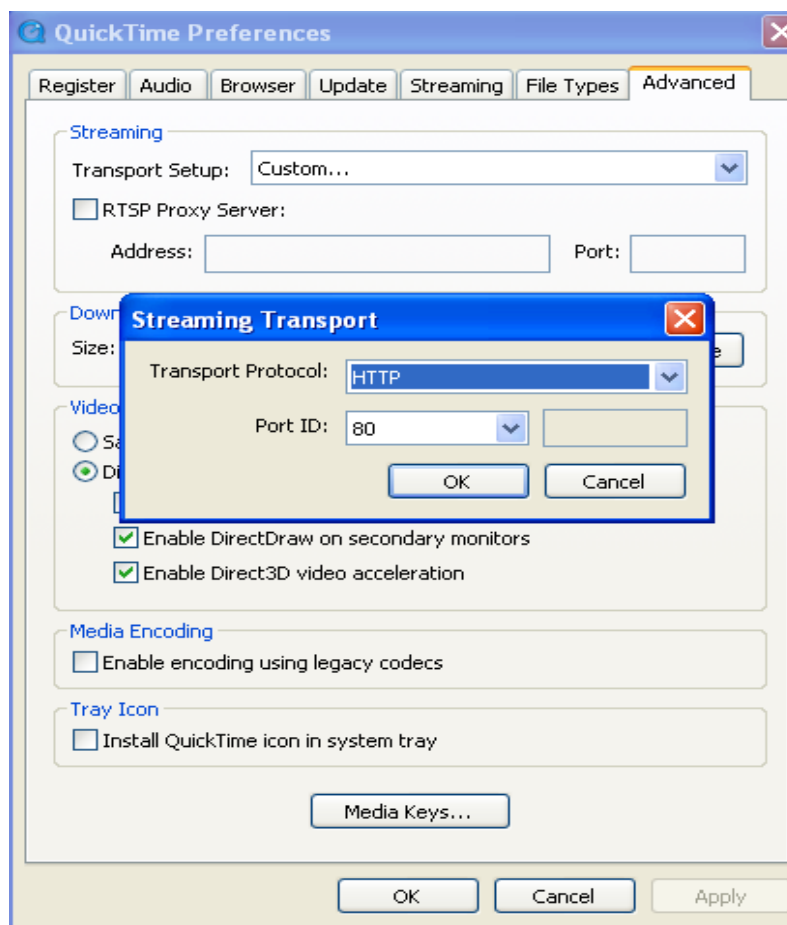


Figure 31

In Mac computer, the Quicktime was installed by default, so the user simply choose setting tool folder at application folder and run the command program, enter command by command line mode:

```
qtdefaults write TransportSettings HTTP 80
```

And then run the Safari browser to view the video.

4.2. Mobile phone software

For more information, please see the user manual for mobile phone in attached CD, or download the latest software and user manual in our website.

4.3. PC Client software

IPCMonitor is a free software offered by factory, several devices on LAN and WAN can be browsed at the same time. The software also support real time recording, schedule recording, alarm, snap, and so on. The interface is as Figure 32.

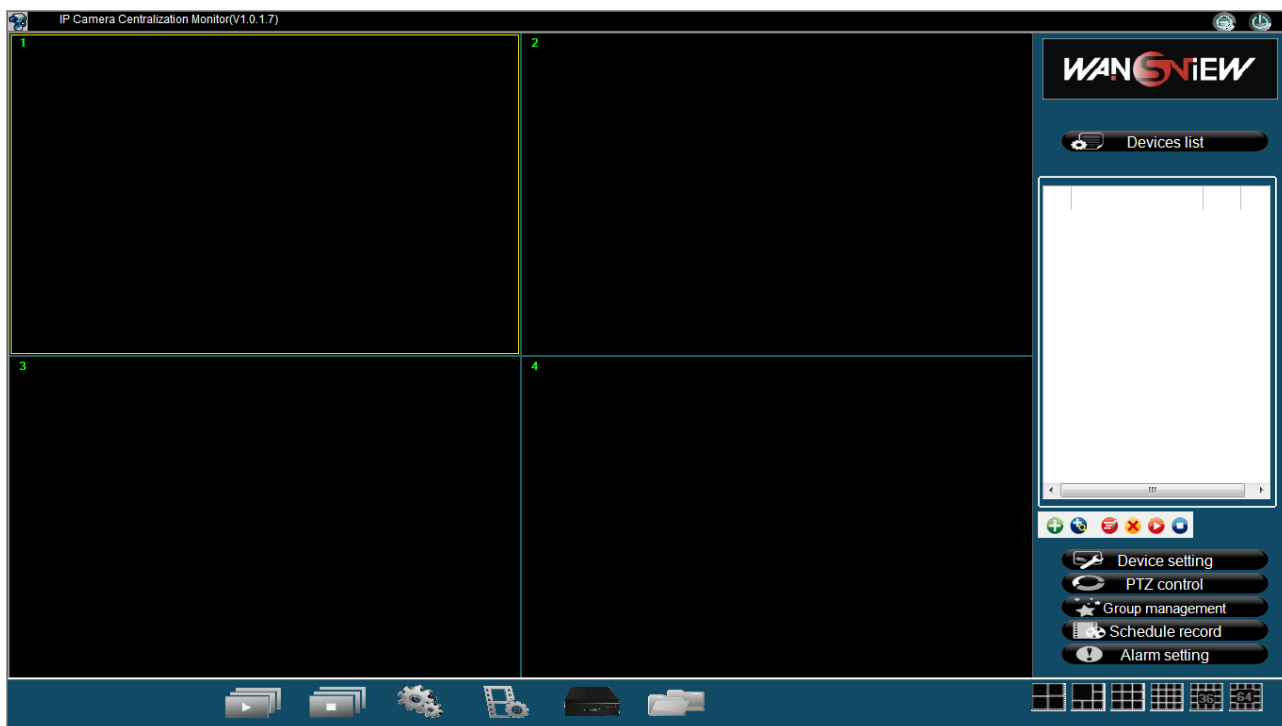


Figure 32

For more information, pls. refer the <<IPCMonitor User Manual>> in CD.

4.4. Other software

As the device supports RTSP protocol, you can use VLC player to play IP Camera video. It is compatible with VLC 1.1.12 version or above. Please use below URL to visit:

rtsp://ip:port/11 (View the video by first stream)

rtsp://ip:port/12 (View video by second stream)

The port is RTSP port; please refer to the settings of Figure 13.

5. Product family for NCH series

5.1. NCH530W Indoor VGA PTZ Camera

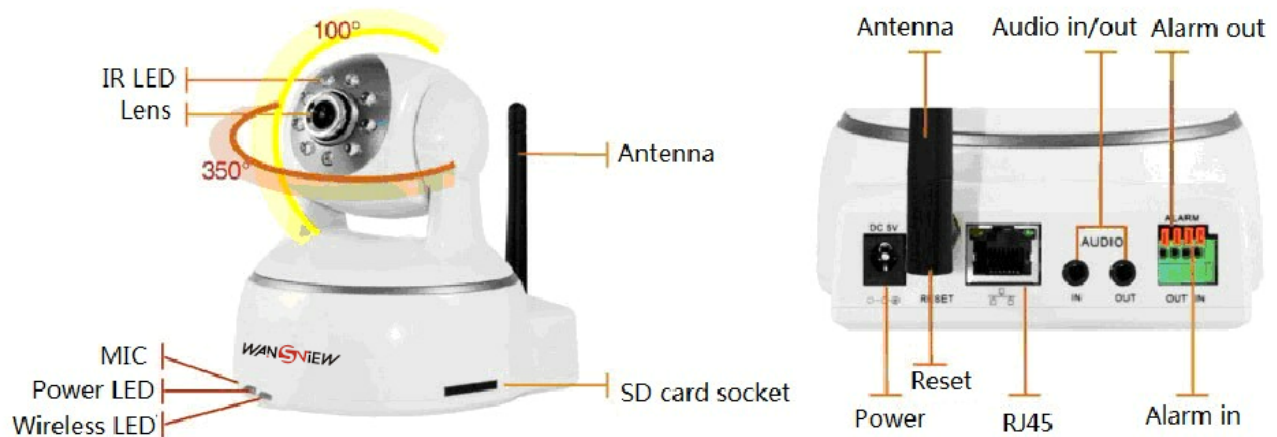


Figure 33

300K pixels CMOS sensor, IR-CUT, 4mm lens, built in PTZ, MIC, support SD card, 8pcs IR LED, audio in/out interface, alarm in/out interface. It uses 5V power adaptor.

5.2. Indoor HD PTZ Camera

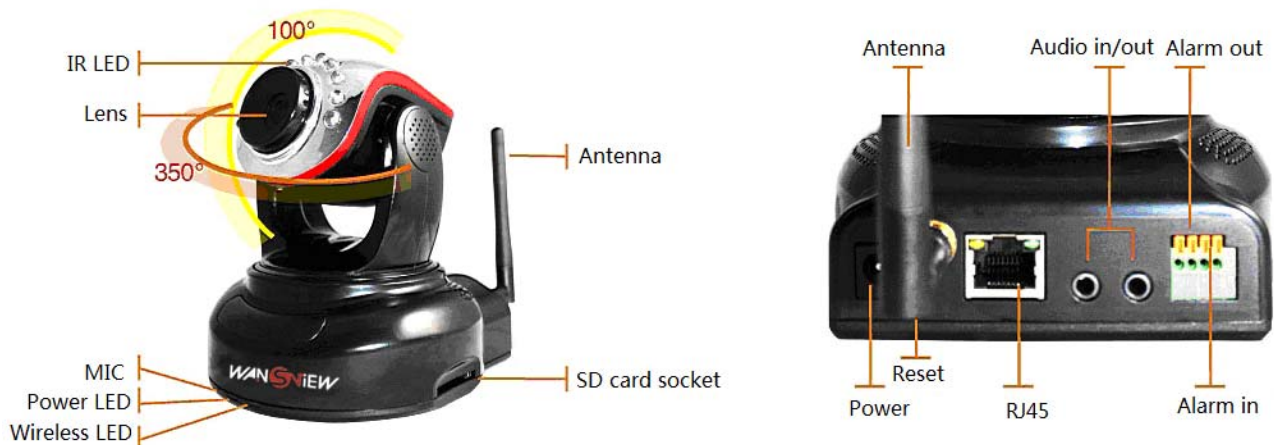


Figure 34 NCH536MW



Figure 35 NCH537MW

Above two cameras have the following items: Mega pixels CMOS sensor, IR-CUT, 3.6mm lens, built-in PTZ, MIC, support SD card, 10pcs IR LED, audio and alarm port. It uses 5V power adaptor.

- ◆ NCH536MW camera supports SD card and audio in/out, alarm in/out;
- ◆ NCH537MW camera supports TF card and audio out.

5.3. HD waterproof camera



Figure 36 NCH532MJW (simple model)

Mega pixels CMOS sensor, IR-CUT, 6mm lens, 36pcs IR LED, It uses 12V power adaptor.

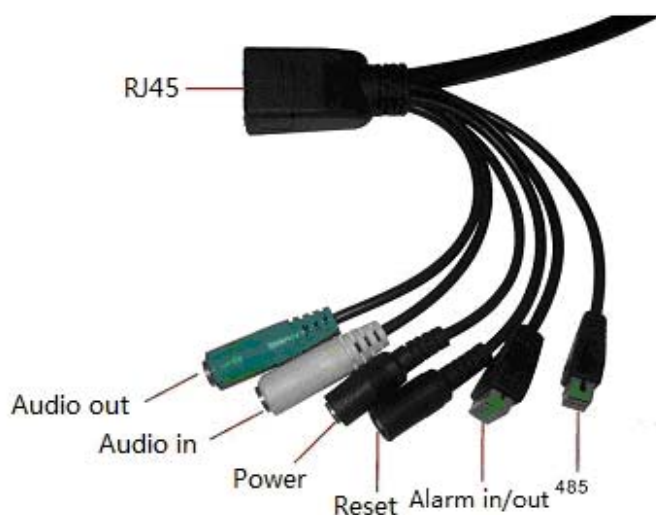


Figure 37 NCH532MW (full function model)

Mega pixels CMOS sensor, IR-CUT, 8mm lens, 36pcs IR LED, audio in/out, alarm in/out. The RS485 port can be connected with external PTZ. You need to open the back cover when you insert SD card. It uses 12V power adaptor.

5.4. NCH531MW HD Box Camera

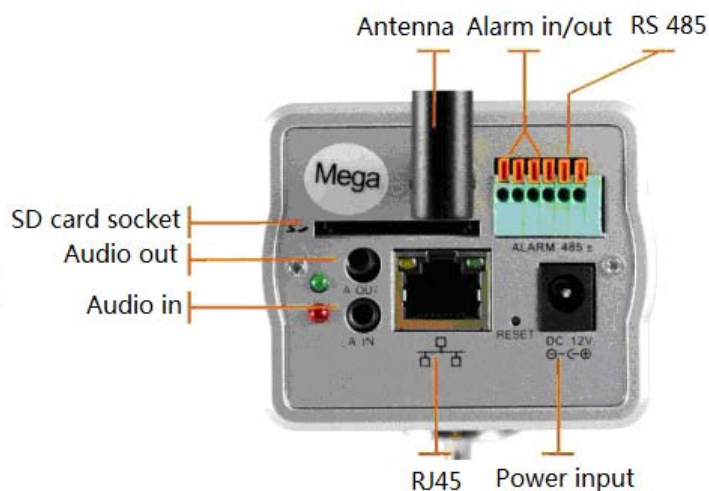


Figure 39 NCH531MW

8mm color lens, audio in/out, alarm in/out, support SD card. The RS485 port can be connected with external PTZ. It uses 12V power adaptor.

Statement:

1. This manual may be different with your using camera, if you have any questions of the manual, please contact our technical support.
2. This manual will be updated periodically; the company reserved the right to without prior notice.